

QoE Quality of Experience

RAN Radio Access Network

RNC Radio Network Controller

RTP Real Time Protocol

SGSN Serving GPRS Support Node

SIM Subscriber Identity Module

SIP Session Initiation Protocol

TCP Transmission Control Protocol

TDF Traffic Detection Function

[0107] UE User Equipment

1. Method for traffic flow treatment in a core network of a communication network comprising:

receiving cell information from an access network of the communication network, wherein the received cell information comprises an indication of a congested cell of the communication network;

receiving subscriber specific information comprising real-time information of a subscriber in a cell of the communication network;

analyzing the received subscriber specific information; and controlling the traffic flow in the core network according to the analysis of the subscriber specific information.

2. Method according to claim 1, the method further comprises receiving cell information as a real-time information.

3. Method according to claim 1, the method further comprises identifying a congested cell utilizing information from a RAN.

4. Method according to claim 1, the method further comprises receiving information to identify subscriber specific information of a subscriber located in the congested cell.

5. Method according to claim 1, the method further comprises sending a trigger signal for updating a policy of the subscriber in the core network.

6. Method according to claim 1, the method further comprises reporting detected service traffic within the core network.

7. Method according to claim 1, the method further comprises controlling data flow of a certain kind.

8. Method according to claim 1, the method further comprises updating subscriber specific policy in the core network.

9. Method according to claim 1, the method further comprises identifying of applications to manage traffic.

10. Method according to claim 1, the method further comprises controlling the traffic flow in the core network according to policies of the core network.

11. Method according to claim 1, the method further comprises utilizing PDP context in the core network.

12. Method according to claim 1, the method further comprises receiving application information.

13. Method according to claim 1, the method further comprises utilizing information from an IPCAN session in the core network.

14. Network element installed in a core network comprising:

a receiving element for receiving cell information and for receiving subscriber specific information comprising real-time information of a subscriber in a congested cell of the communication network;

an analyzing element for analyzing the cell load information and the received subscriber specific information; and

a sending element for sending controlling information in order to control the traffic flow in the core network according to the analysis of the subscriber specific information.

15. Computer program embodied on a non-transitory computer readable medium, comprising code portions for causing a network element on which the computer program is executed, to carry out a method comprising:

receiving cell information from an access network of the communication network, wherein the received cell information comprises an indication of a congested cell of the communication network;

receiving subscriber specific information comprising real-time information of a subscriber in a cell of the communication network;

analyzing the received subscriber specific information; and controlling the traffic flow in the core network according to the analysis of the subscriber specific information.

16. (canceled)

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